

CLAIMS

What is claimed is:

1. A vehicle suspension system comprising:
 - a frame;
 - a pair of laterally spaced apart upper control arms pivotally supported by said frame at first pivotal connections;
 - a knuckle connected to each of said upper control arms;
 - a lateral leaf spring interconnected between lower portions of said knuckles; and
 - laterally spaced apart air springs arranged between said frame and one of said upper control arms and said lateral leaf spring.
2. The system according to claim 1, wherein said air springs are arranged between said frame and said upper control arms.
3. The system according to claim 2, wherein said upper control arms extend from said first pivotal connections to a portions opposite said knuckles, said air springs arranged between said portions and said frame.
4. The system according to claim 2, wherein opposing ends of said lateral leaf spring supports said lower portions of said knuckles at second pivotal connections.

5. The system according to claim 1, wherein a pressurized air source is connected to said air springs providing a desired quantity of pressurized air to said air springs with a controller connected to said air source determining said desired quantity.

6. The system according to claim 5, wherein said pressurized air source includes valves actuated by said controller to provide said desired quantity.

7. The system according to claim 6, wherein said valve is associated with each of said air springs with said valves being independently actuatable in response to commands from said controller.